

Request for Engineering Proposal - Pickerel Canal Bridge

General

Prepare construction plans and specifications for bridge abutments, piers and approaches for a snowmobile bridge over the Pickerel Canal, SW1/4 NE1/4 of Section 18, T39N-R8E, Town of Newbold, Oneida County, WI.

The selected engineering firm needs to provide certificates of insurance with minimum limits as follows:

Professional Errors and Omissions Liability \$1,000,000

Comprehensive General Liability \$1,000,000 single limit bodily injury/property damage

Automobile Liability \$1,000,000 single limit bodily injury/property damage

Workers Compensation Statutory 100/100/300

The selected bidder will also name the county as an additional insured on the Comprehensive General Liability.

Design Services

- If a land survey is deemed necessary to insure the proper site location, elevation and alignment of the proposed snowmobile bridge and associated sub-structure, provide a cost estimate for said survey. The survey should include: performing a limited topographic field survey for bridge abutment and approaches; setting of vertical and horizontal control benchmarks for use during the construction and preparation of a base map of the site.
- If soil borings are deemed necessary to insure that the piling, piers, and/or abutments for this project are properly installed and capable of supporting the intended loads, provide a cost estimate for said soil borings. One boring at each pier/abutment, as determined by the engineering firm, may be sufficient.
- Provide a cost estimate to prepare and submit a waterway crossing permit application to the Army Corp of Engineers and Wisconsin Department of Natural Resources. The cost estimate for this item shall include: the development and placement of any public notices that may be required by the Army Corp of Engineers or the Wisconsin Department of Natural Resources as part of the water-crossing permit application process, responding to any follow-up questions the Army Corp of Engineers or the Wisconsin Department of Natural Resources may have pertaining to the above described permit application. Oneida County will be responsible for any permit application fees.
- Provide a cost estimate for permit approvals, if necessary, for: wetlands, wetland fill or flood encroachment.
- Provide a cost estimate to develop detailed plans of the abutments, piling, and/or pier(s) deemed necessary to support a pre-manufactured steel frame snowmobile bridge. Emphasis should be placed on determining the most cost efficient configuration of abutments / piling / pier(s) for this project. A smooth transition from the ground to both ends of the bridge is a necessity.

For the purpose of developing the above describe abutment / piling / pier estimate, the pre-manufactured snowmobile bridge would need to span a water channel measuring approximately 70 feet wide, have a clear width of 12 feet measured between the inside

railing, and be capable of supporting a 19,000 pound live-load generated by snowmobile trail grooming equipment, plus the representative weight of a typical snow-load for far Northeastern Wisconsin. In addition to the above-described abutment / piling / pier cost estimate, provide a 2nd estimate where all of the specifications listed above remain the same with one exception. The 2nd abutment / piling / pier cost estimate should be developed for supporting a pre-manufactured steel frame snowmobile bridge that has been built to handle a 14,000 pound live-load generated by snowmobile trail grooming equipment.

- Provide a cost estimate to prepare a Request For Proposals (RFP) for the installation/construction of a pre-manufactured steel frame snowmobile bridge measuring more than 70 feet long, and founded on a pre-designed configuration of piling / pier(s) / abutments or a combination.
 - a. The RFP will require two (2) bid options. Option 1 will include the installation and construction of a snowmobile bridge capable of supporting a 19,000 pound live-load plus a snow load. Option 2 will be for a snowmobile bridge capable of supporting a 14,000 pound live-load plus a snow load.
 - b. The RFP must include: site location maps and directions, detailed piling, pier, abutment designs, possible approach design(s) and general specifications for the pre-manufactured snowmobile bridge, specifications for the connection between all pilings, piers, and abutments and the pre-manufactured bridge, bidding and insurance language specific to Oneida County, an erosion control plan, shoreline stabilization requirements, project timeline, payment schedule, bid submission criteria, information pertaining to a pre-bid on-site contractors meeting, procedure for submitting questions pertaining to specific items in the RFP, and project contract documents.

Bidding Services

- Develop and place public notices to advertise the snowmobile bridge RFP. Prepare and submit advertising for bids in the official Oneida County newspaper and mail specification packets to contractors.
- Provide and distribute project-bidding packets (e.g. the RFP) to interested contractors/bidders upon request. Packets must be ready to mail by July 1, 2015. Print and distribute project documents and plans to prospective contractors upon request throughout the bidding process.
 - a. Bridge bids will be due by Noon on August 24, 2015
 - b. Bridge bids will be opened on August 24, 2015 at 1:00 p.m. at the Court House.
 - c. Bridge bids will be mailed to the Engineering firm for review
 - d. Engineering firm will evaluate bids and provide a recommendation as to which bid is in the County's best interest to accept. Attend the Forestry Committee meeting on 9/2/2015 to discuss with committee.
- Respond to questions prospective contractors/bidders have pertaining to the RFP.
- Prepare and distribute addendums to bidding documents as required.
- Conduct one (1) on site pre-bid contractors' meeting to review project expectations and to answer any questions that potential bidders may have pertaining to the RFP, specifications, and/or the project in general.

- Provide Oneida County with two (2) copies of plans and specifications.
- Provide Oneida County with spreadsheets to show the names of all contractors who submitted bids and the dollar amounts of their bids.
- Verify contractor is qualified for the construction services required based on pre-qualifications and references.
- Attend Oneida County Forestry meeting (9/2/2015) to discuss and recommend bridge installation/construction bids. At said meeting, the engineering firm should be prepared to answer questions pertaining to the RFP and/or questions generated by the Forestry Committee or prospective contractors about the bridge project.

Construction Services

- Conduct one (1) on site pre-construction meeting with the selected contractor, County and other interested parties.
- Provide engineering accounting for this project that includes but is not limited to the following items: review all contractor payment request applications pertaining to this project, provide quantity accountability, provide unit cost accountability, calculate retainage, maintain payment history records throughout the project, and provide recommendations to the County for processing payment requests.
- During the construction phase of the project, provide weekly written reports and test results to the Oneida County Forestry Department
- Provide on-site inspections of piling, pier and abutment construction/installation for compliance with specifications.
- Provide on-site inspections of the bridge placement and connection to the abutments, and/or piers for compliance with specifications.
- Maintain records of unit quantities of installed bid items.
- Provide vertical and horizontal control and alignment for the project to the contractors and County. Construction layout shall be provided by the contractor as a bid item.
- Maintain records regarding vertical and horizontal alignment and benchmarks.
- Review all shop drawings and final engineered plans provided by the bridge manufacturer to ensure compliance with project specifications.
- Inspect all delivered materials for adherence to the specifications.
- Extract samples of construction materials and perform standard testing to assure compliance to specifications, as needed.
- Perform nuclear compaction testing on excavated trenches, sub-base, base course, and asphaltic concrete pavement for compliance with compaction specifications as needed.

- Inspect contractors placement and quality of all contract work items to ensure compliance to the project specifications.
 - Perform a final inspection of all aspects of the bridge construction project, document, and record findings of said inspection, and provide Oneida County with a final payment recommendation.
-

Oneida County will be responsible for providing access to bridge piers, abutments and approaches, which is all through State property from both sides.

Oneida County will, at no charge as long as it is part of this project, make available the following digital data: GIS Basemap datasets, soils, orthophoto images in Mr SID format, a 2-foot contour dataset in a 10.2 File Geodatabase and LiDAR which would include LAS v1.2 files with final classified point cloud LiDAR points , DEMS and Hydro break lines.

Oneida County reserves the right to reject any or all proposals and to select the proposal most advantageous to Oneida County.

The entire bridge project will be completed by February 20, 2016.

Please provide a lump sum cost for the Design Services & Bidding Services categories, as well as a “good faith estimate” for the Construction Services along with an hourly rate sheet. Provide an all services total.

- Written proposals for this project are due at 12:00 pm on December 1, 2014 to:
Oneida County Forestry Department
P O Box 400
Rhineland, WI 54501-0400
- Written proposals will be opened at 1:00 p.m. on December 1, 2014 held at a public meeting at:
Oneida County Court House
Second Floor, Committee Room #1,
1 South Oneida Ave.
Rhineland, WI 54501
- ~~A refundable bid bond in the amount of 5% of the total bid must accompany the proposal.~~

Interested parties that submit a written proposal for this project may be required to present an oral presentation outlining their proposal at the FLRC Meeting on December 3, 2014 at 4:00 pm. Oneida County will choose up to three engineering bids for an oral presentation. Each presentation will be limited to 15 minutes.

If you have any questions, please call Eric at (w)715-369-6234 or (c)715-493-1165.

If anyone would like to meet with me on-site prior to the bid date, I will be available on the following dates:

November 10, 11, 20, 26 or December 1, 2014.

(4 maps enclosed)